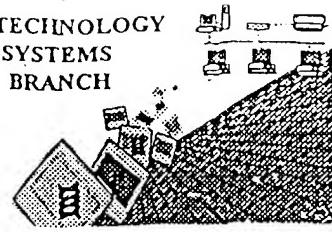


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/800,140
Source: 311FLW
Date Processed by STIC: 3/23/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT
MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03

Raw Sequence Listing Error Summary

<u>ERROR DETECTED</u>	<u>SUGGESTED CORRECTION</u>	<u>SERIAL NUMBER:</u> <i>101800,140</i>
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 <input type="checkbox"/> Wrapped Nucleic Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 <input type="checkbox"/> Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 <input type="checkbox"/> Misaligned Amino Numbering	The numbering under each 5 th amino acid is misaligned. Do not use tab codes between numbers; use space characters , instead.	
4 <input type="checkbox"/> Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 <input type="checkbox"/> Variable Length	Sequence(s) <input type="checkbox"/> contain n's or Xaa's representing more than one residue. Per Sequence Rules , each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 <input type="checkbox"/> PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) <input type="checkbox"/> . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 <input type="checkbox"/> Skipped Sequences (OLD RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped	
	Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 <input type="checkbox"/> Skipped Sequences (NEW RULES)	Sequence(s) <input type="checkbox"/> missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 <input type="checkbox"/> Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 <input type="checkbox"/> Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input type="checkbox"/> Use of <220>	Sequence(s) <input type="checkbox"/> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 <input type="checkbox"/> PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 <input type="checkbox"/> Misuse of n/Xaa	"n" can only represent a single <u>nucleotide</u> ; "Xaa" can only represent a single <u>amino acid</u>	



IFWO

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/800,140

DATE: 03/23/2004

TIME: 13:20:09

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03232004\J800140.raw

3 <110> APPLICANT: SYRRX, INC.
 5 <120> TITLE OF INVENTION: PROBE, ASSAY AND KITS FOR DETECTING 11a-HYDROXYSTEROID
 6 DEHYDROGENASE AND MODULATORS THEREOF
 8 <130> FILE REFERENCE: SYR-HSD-5002
C--> 10 <140> CURRENT APPLICATION NUMBER: US/10/800,140
 11 <141> CURRENT FILING DATE: 2004-03-11
 13 <160> NUMBER OF SEQ ID NOS: 7
 15 <170> SOFTWARE: PatentIn version 3.2
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 292
 19 <212> TYPE: PRT
 20 <213> ORGANISM: Homo sapiens
 23 <220> FEATURE:
W--> 24 <221> NAME/KEY: Amino acid sequence for full-length human wild type
W--> 25 11 -hydroxysteroid dehydrogenase
 26 <222> LOCATION: (1)..(292) 22237 ()
 28 <400> SEQUENCE: 1
 30 Met Ala Phe Met Lys Lys Tyr Leu Leu Pro Ile Leu Gly Leu Phe Met
 31 1 5 10 15
 34 Ala Tyr Tyr Tyr Ser Ala Asn Glu Glu Phe Arg Pro Glu Met Leu
 35 20 25 30
 38 Gln Gly Lys Lys Val Ile Val Thr Gly Ala Ser Lys Gly Ile Gly Arg
 39 35 40 45
 42 Glu Met Ala Tyr His Leu Ala Lys Met Gly Ala His Val Val Val Thr
 43 50 55 60
 46 Ala Arg Ser Lys Glu Thr Leu Gln Lys Val Val Ser His Cys Leu Glu
 47 65 70 75 80
 50 Leu Gly Ala Ala Ser Ala His Tyr Ile Ala Gly Thr Met Glu Asp Met
 51 85 90 95
 54 Thr Phe Ala Glu Gln Phe Val Ala Gln Ala Gly Lys Leu Met Gly Gly
 55 100 105 110
 58 Leu Asp Met Leu Ile Leu Asn His Ile Thr Asn Thr Ser Leu Asn Leu
 59 115 120 125
 62 Phe His Asp Asp Ile His His Val Arg Lys Ser Met Glu Val Asn Phe
 63 130 135 140
 66 Leu Ser Tyr Val Val Leu Thr Val Ala Ala Leu Pro Met Leu Lys Gln
 67 145 150 155 160
 70 Ser Asn Gly Ser Ile Val Val Val Ser Ser Leu Ala Gly Lys Val Ala
 71 165 170 175
 74 Tyr Pro Met Val Ala Ala Tyr Ser Ala Ser Lys Phe Ala Leu Asp Gly
 75 180 185 190
 78 Phe Phe Ser Ser Ile Arg Lys Glu Tyr Ser Val Ser Arg Val Asn Val
 79 195 200 205

pp 1-4

This does
not belong
on <2217 line.
Move it to
<2237 line.
(See 1.823
of Sequence Rules)

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/800,140

DATE: 03/23/2004
TIME: 13:20:09

Input Set : A:\PTO.DA.txt
Output Set: N:\CRF4\03232004\J800140.raw

82 Ser Ile Thr Leu Cys Val Leu Gly Leu Ile Asp Thr Glu Thr Ala Met
83 210 215 220
86 Lys Ala Val Ser Gly Ile Val His Met Gln Ala Ala Pro Lys Glu Glu
87 225 230 235 240
90 Cys Ala Leu Glu Ile Ile Lys Gly Gly Ala Leu Arg Gln Glu Glu Val
91 245 250 255
94 Tyr Tyr Asp Ser Ser Leu Trp Thr Thr Leu Leu Ile Arg Asn Pro Cys
95 260 265 270
98 Arg Lys Ile Leu Glu Phe Leu Tyr Ser Thr Ser Tyr Asn Met Asp Arg
99 275 280 285
102 Phe Ile Asn Lys
103 290

106 <210> SEQ ID NO: 2
107 <211> LENGTH: 286
108 <212> TYPE: PRT
109 <213> ORGANISM: Custom
112 <220> FEATURE:

invalid <213> response. See item 10 on Eng summary sheet.

W--> 113 <221> NAME/KEY: Amino acid sequence for residues 24-292 of 11 -hydroxysteroid
W--> 114 <221> dehydrogenase with a N-terminal MKHQHQHQHQHQQQPL tag

115 <222> LOCATION: (1)..(286)
117 <400> SEQUENCE: 2
119 Met Lys His Gln His Gln His Gln His Gln His Gln Gln Pro
120 1 5 10 15
123 Leu Asn Glu Glu Phe Arg Pro Glu Met Leu Gln Gly Lys Lys Val Ile
124 20 25 30
127 Val Thr Gly Ala Ser Lys Gly Ile Gly Arg Glu Met Ala Tyr His Leu
128 35 40 45
131 Ala Lys Met Gly Ala His Val Val Val Thr Ala Arg Ser Lys Glu Thr
132 50 55 60
135 Leu Gln Lys Val Val Ser His Cys Leu Glu Leu Gly Ala Ala Ser Ala
136 65 70 75 80
139 His Tyr Ile Ala Gly Thr Met Glu Asp Met Thr Phe Ala Glu Gln Phe
140 85 90 95
143 Val Ala Gln Ala Gly Lys Leu Met Gly Gly Leu Asp Met Leu Ile Leu
144 100 105 110
147 Asn His Ile Thr Asn Thr Ser Leu Asn Leu Phe His Asp Asp Ile His
148 115 120 125
151 His Val Arg Lys Ser Met Glu Val Asn Phe Leu Ser Tyr Val Val Leu
152 130 135 140
155 Thr Val Ala Ala Leu Pro Met Leu Lys Gln Ser Asn Gly Ser Ile Val
156 145 150 155 160
159 Val Val Ser Ser Leu Ala Gly Lys Val Ala Tyr Pro Met Val Ala Ala
160 165 170 175
163 Tyr Ser Ala Ser Lys Phe Ala Leu Asp Gly Phe Phe Ser Ser Ile Arg
164 180 185 190
167 Lys Glu Tyr Ser Val Ser Arg Val Asn Val Ser Ile Thr Leu Cys Val
168 195 200 205
171 Leu Gly Leu Ile Asp Thr Glu Thr Ala Met Lys Ala Val Ser Gly Ile
172 210 215 220

move to <223>
line

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/800,140

DATE: 03/23/2004
TIME: 13:20:09

Input Set : A:\PTO.DA.txt
Output Set: N:\CRF4\03232004\J800140.raw

175 Val His Met Gln Ala Ala Pro Lys Glu Glu Cys Ala Leu Glu Ile Ile
 176 225 230 235 240
 179 Lys Gly Gly Ala Leu Arg Gln Glu Glu Val Tyr Tyr Asp Ser Ser Leu
 180 245 250 255
 183 Trp Thr Thr Leu Leu Ile Arg Asn Pro Cys Arg Lys Ile Leu Glu Phe
 184 260 265 270
 187 Leu Tyr Ser Thr Ser Tyr Asn Met Asp Arg Phe Ile Asn Lys
 188 275 280 285
 191 <210> SEQ ID NO: 3
 192 <211> LENGTH: 1405
 193 <212> TYPE: DNA *invalid*
 194 <213> ORGANISM: Custom
 197 <220> FEATURE:
 W--> 198 <221> NAME/KEY Human cDNA sequence encoding residues 24-292 of *(223) line*
 W--> 199 11 -hydroxysteroid dehydrogenase
 200 <222> LOCATION: (1)..(1405)
 202 <400> SEQUENCE: 3
 203 acaattcaga ggctgctgcc tgcttaggag gttgttagaaa gctctgttagg ttctctctgt 60
 205 gtgtcctaca ggagtcttca ggccagctcc ctgtcgatg gcttttatga aaaaaatatct 120
 207 cctccccatt ctggggctct tcatggcta ctactactat tctgcaaacg agaattcaag 180
 209 accagagatg ctccaaggaa agaaagtgtat tgcacacaggg gccagcaaag ggatcggaaag 240
 211 agagatggct tatcatctgg cgaagatggg aqccatgtg gtggtgacag cgaggtcaaa 300
 213 agaaaactcta cagaagggtgg tatcccactg cctggagctt ggagcagcct cagcacacta 360
 215 cattgctggc accatggaaag acatgacattt cgcagagcaa ttttgtgccc aagcaggaaa 420
 217 gctcaigggaa ggactagaca tgctcattct caaccacatc accaacactt cttgaatct 480
 219 ttttcatgtat gatattcacc atgtgcgcaa aagcatggaa gtcaacttcc tcagttacgt 540
 221 ggtcctgact gtatgtgcct tgcccatgtt gaagcagagc aatggaaagca ttgttgtcgt 600
 223 ctcctctctg gctggaaag tggcttatcc aatggttgtt gcctattctg caagcaagtt 660
 225 tgctttggat gggttcttcc ccicccatcag aaaggaatat tcagtgtcca gggtaatgt 720
 227 atcaatcaat ctctgtgtt ttggcctcat agacacagaa acagccatga aggcatgtt 780
 229 tgggatagtc catatgcaag cagctccaaa ggaggaatgt gcccctggaga tcatcaaagg 840
 231 gggagctctg cgccaaagaag aagtgtatata tgacagctca ctctggacca ctcttctgat 900
 233 cagaaatcca tgcaggaaga tcctggatt tctctactca acgagctata atatggacag 960
 235 attcataaac aagtaggaac icccctgggg ctggcatgc tgaggattt tggactgtt 1020
 237 ctgtctcatg tttatctgag ctcttatcta tgaagacatc ttcccagagt gtccccagag 1080
 239 acatgcaagt catgggtcac acctgacaaa tggaggatgt tcctctaaca tttgcaaaat 1140
 241 gaaaaatgtaa taataatgaa tgtcatgcac cgctgcagcc agcagttgtt aaattgttag 1200
 243 taaacatagg tataattacc agatagttat attaaattta tatcttataat ataataat 1260
 245 gtgatgatta atacaatatt aattataata aaggtcacat aaactttata aattcataac 1320
 247 tggtagctat aacttgagct tattcaggat ggtttcttta aaaccataaaa ctgtacaaat 1380
 249 gaaatttttc aatattgtt tctta 1405
 252 <210> SEQ ID NO: 4
 253 <211> LENGTH: 24
 254 <212> TYPE: DNA
 255 <213> ORGANISM: Custom
 258 <220> FEATURE:
 W--> 259 <221> NAME/KEY: DNA sequence encoding PCR primer hsd1_24-f *(223) line*
 260 <222> LOCATION: (1)..(24)
 262 <400> SEQUENCE: 4

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/800,140

DATE: 03/23/2004
TIME: 13:20:09

Input Set : A:\PTO.DA.txt
Output Set: N:\CRF4\03232004\J800140.raw

263 aacgaggaat tcagaccaga gatg 24
266 <210> SEQ ID NO: 5
267 <211> LENGTH: 24
268 <212> TYPE: DNA
269 <213> ORGANISM: Custom
272 <220> FEATURE:
W--> 273 <221> NAME/KEY: DNA sequence encoding PCR primer hsd1_292-r <2237 line
274 <222> LOCATION: (1)..(24)
276 <400> SEQUENCE: 5
277 ttacttggtt atgaatctgt ccat 24
280 <210> SEQ ID NO: 6
281 <211> LENGTH: 23
282 <212> TYPE: DNA
283 <213> ORGANISM: Custom
286 <220> FEATURE:
W--> 287 <221> NAME/KEY: DNA sequence encoding PCR primer hsdC272Sqcf <2237 line
288 <222> LOCATION: (1)..(23)
290 <400> SEQUENCE: 6
291 tcagaaatcc atccaggaag atc 23
294 <210> SEQ ID NO: 7
295 <211> LENGTH: 23
296 <212> TYPE: DNA
297 <213> ORGANISM: Custom
300 <220> FEATURE:
W--> 301 <221> NAME/KEY: DNA sequence encoding PCR primer hsdC272Sqcr <2237 line
302 <222> LOCATION: (1)..(23)
304 <400> SEQUENCE: 7
305 gatttccctg gatggatttc tga 23

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/800,140

DATE: 03/23/2004

TIME: 13:20:10

Input Set : A:\PTO.DA.txt

Output Set: N:\CRF4\03232004\J800140.raw

L:10 M:270 C: Current Application Number differs, Replaced Current Application Number
L:24 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1
L:25 M:257 W: Feature value mis-spelled or invalid, Describe feature in <223> for SEQ ID#:1
L:113 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2
L:114 M:257 W: Feature value mis-spelled or invalid, Describe feature in <223> for SEQ ID#:2
L:198 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:3
L:199 M:257 W: Feature value mis-spelled or invalid, Describe feature in <223> for SEQ ID#:3
L:259 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:4
L:273 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:5
L:287 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:6
L:301 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:7